

FIG. 1

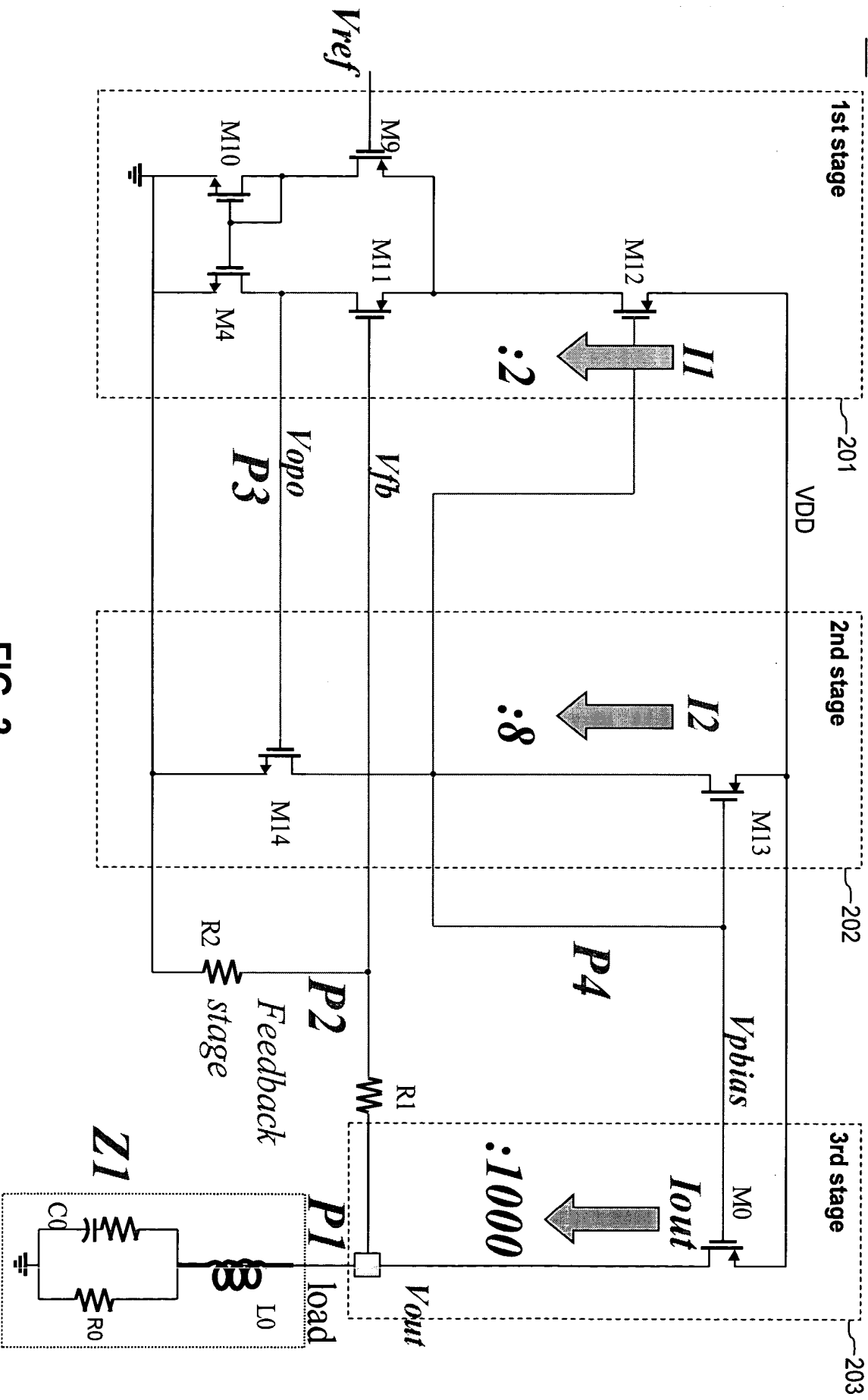


FIG. 2

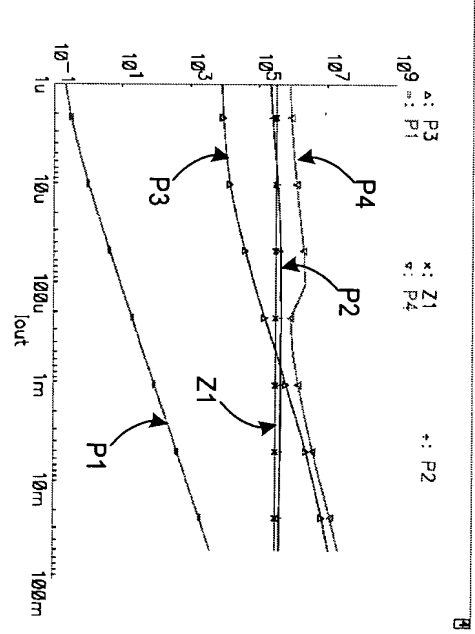
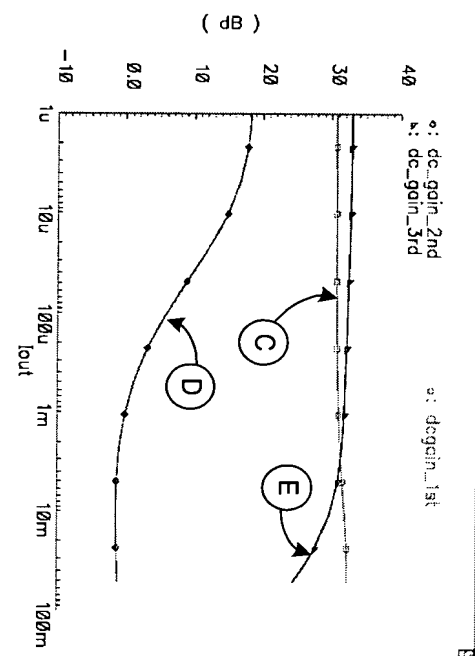
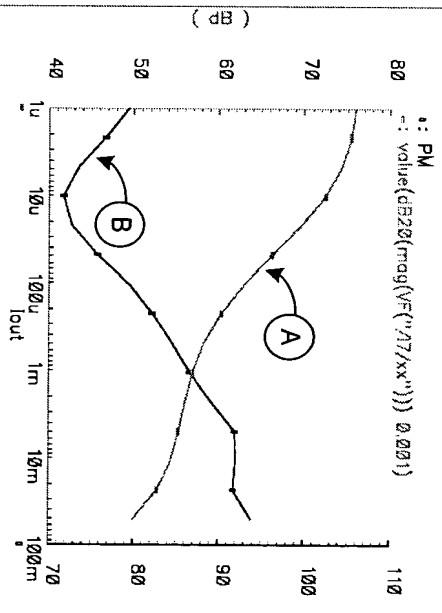
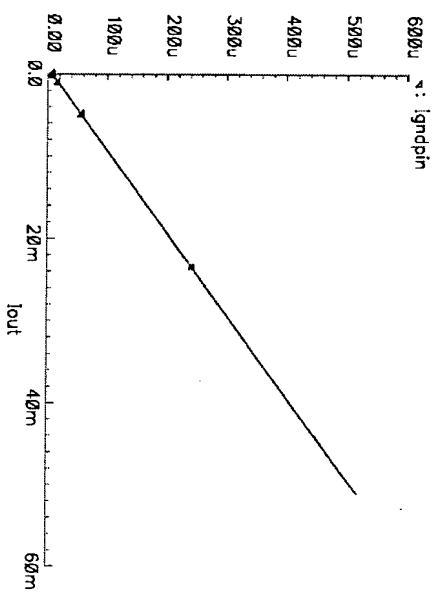


FIG. 3

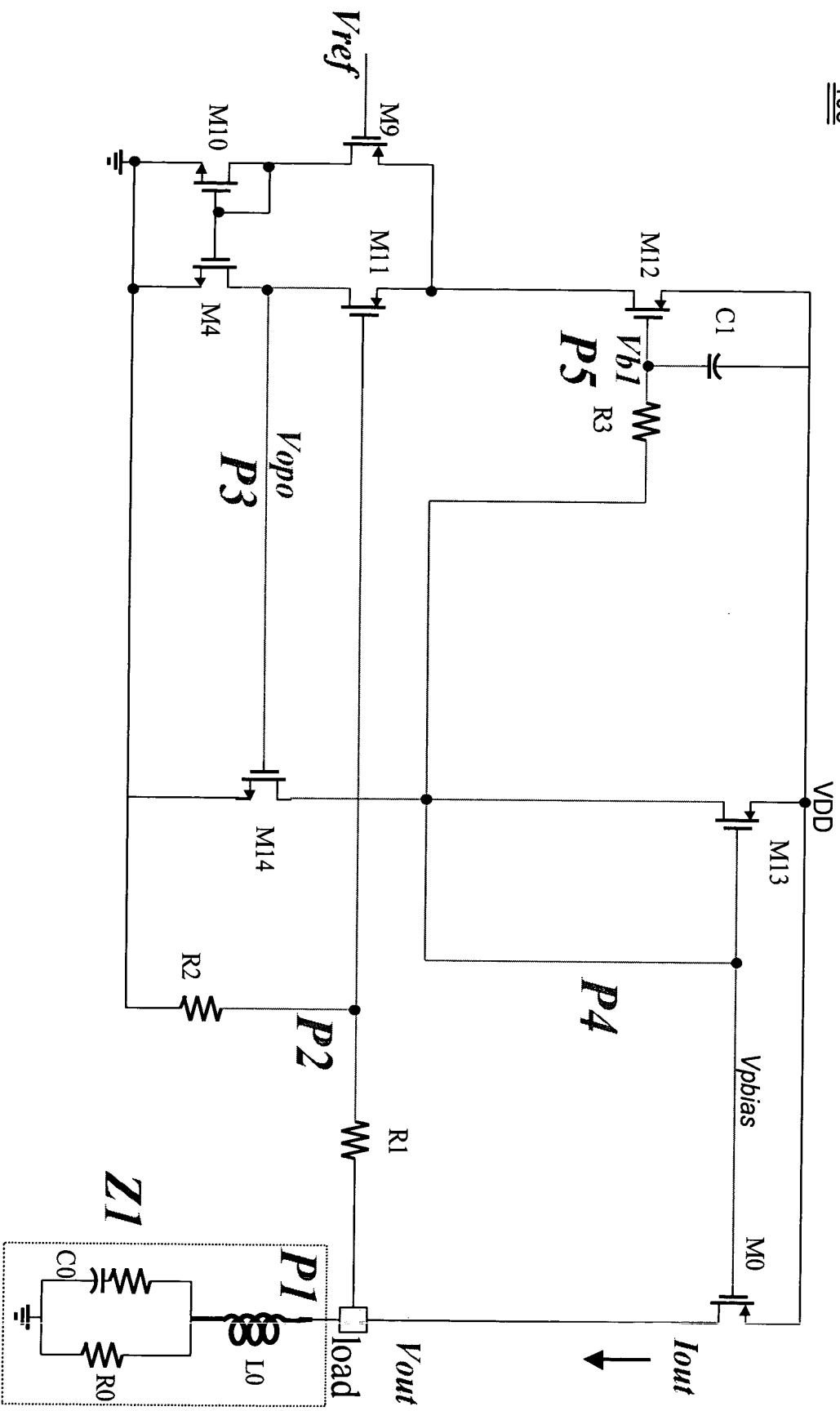


FIG. 4

Temp=-20C
Vout=2.4V
Iout=5mA
PM=80° w/o P5
=50° w/o P5

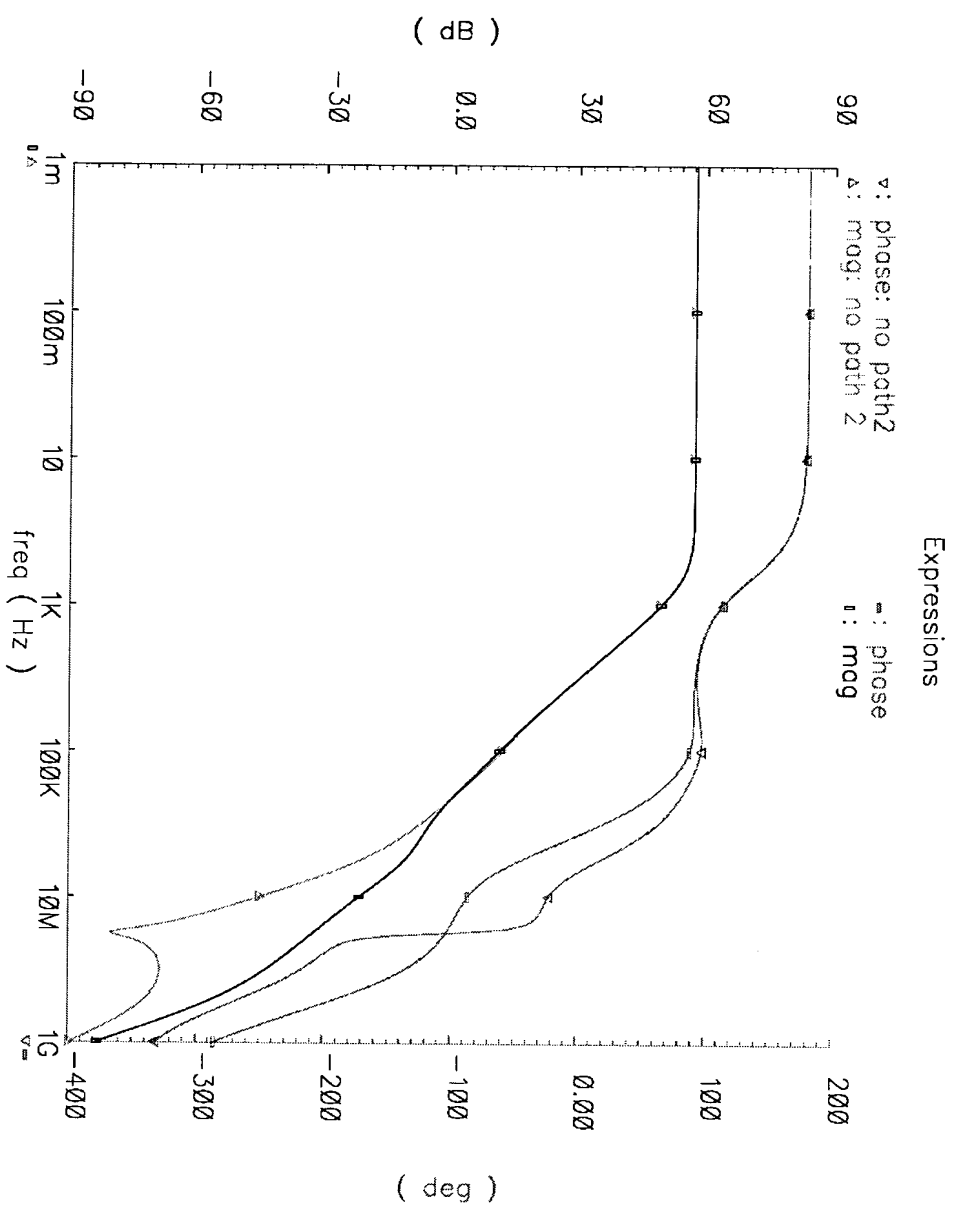


FIG. 5

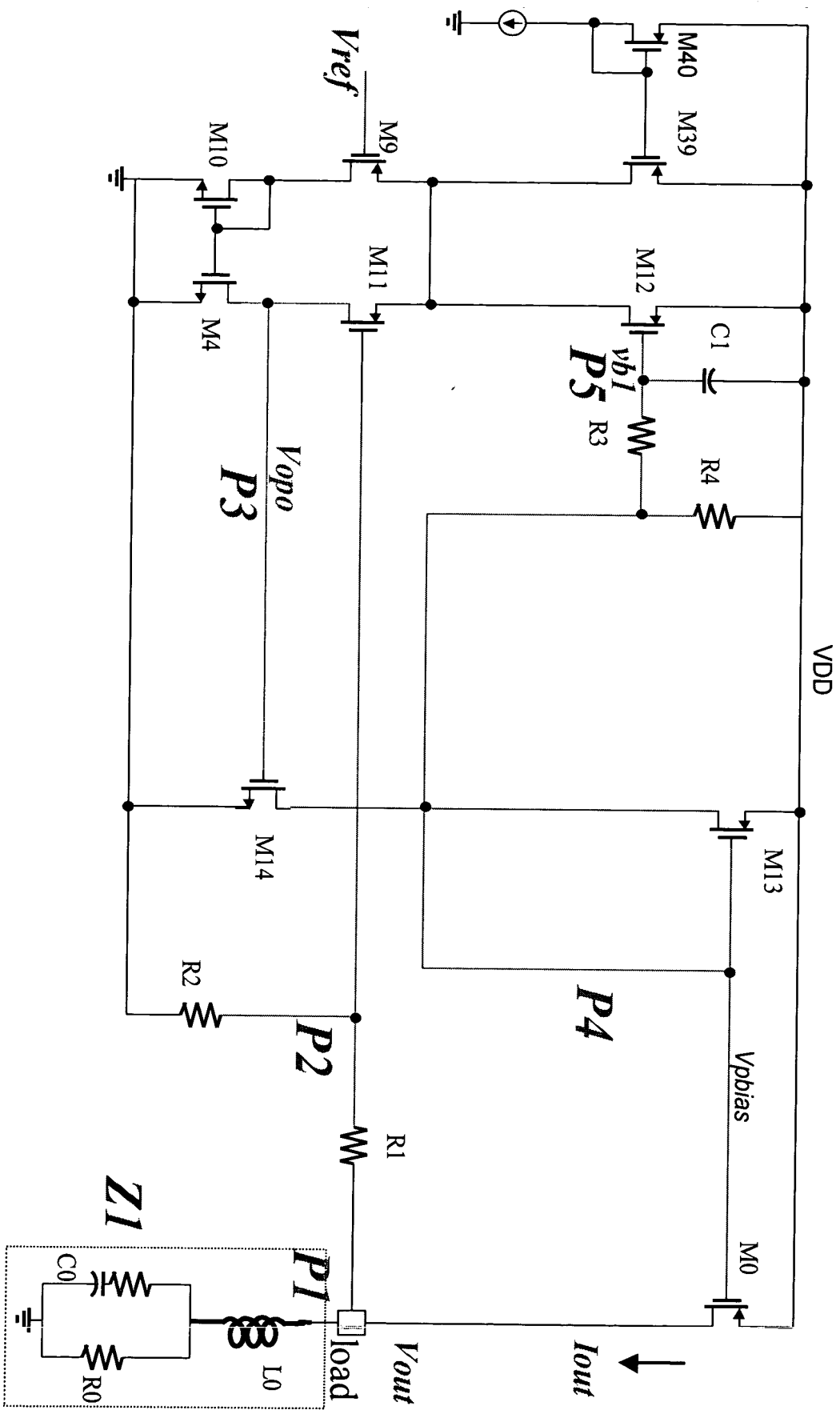


FIG. 6

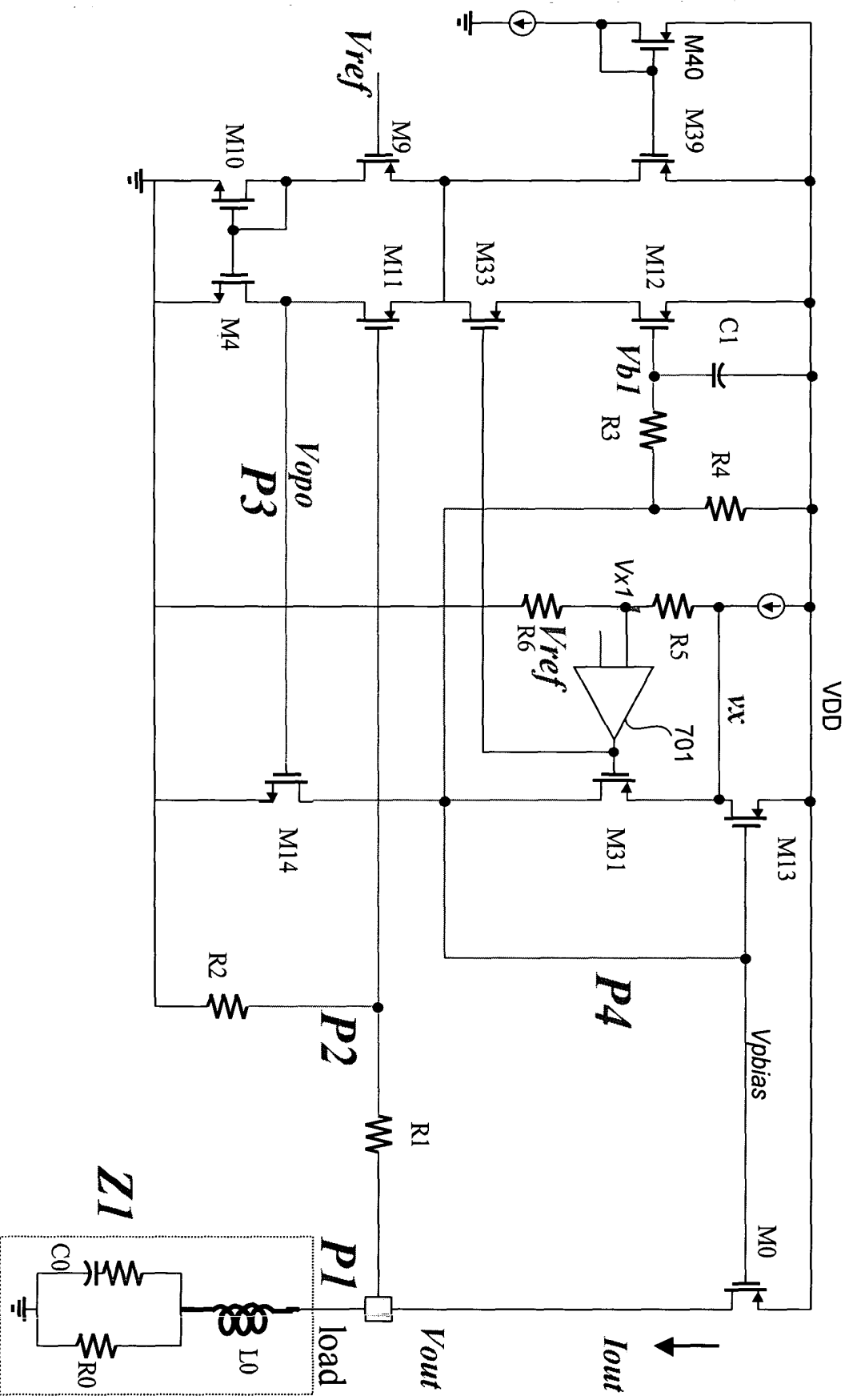


FIG. 7

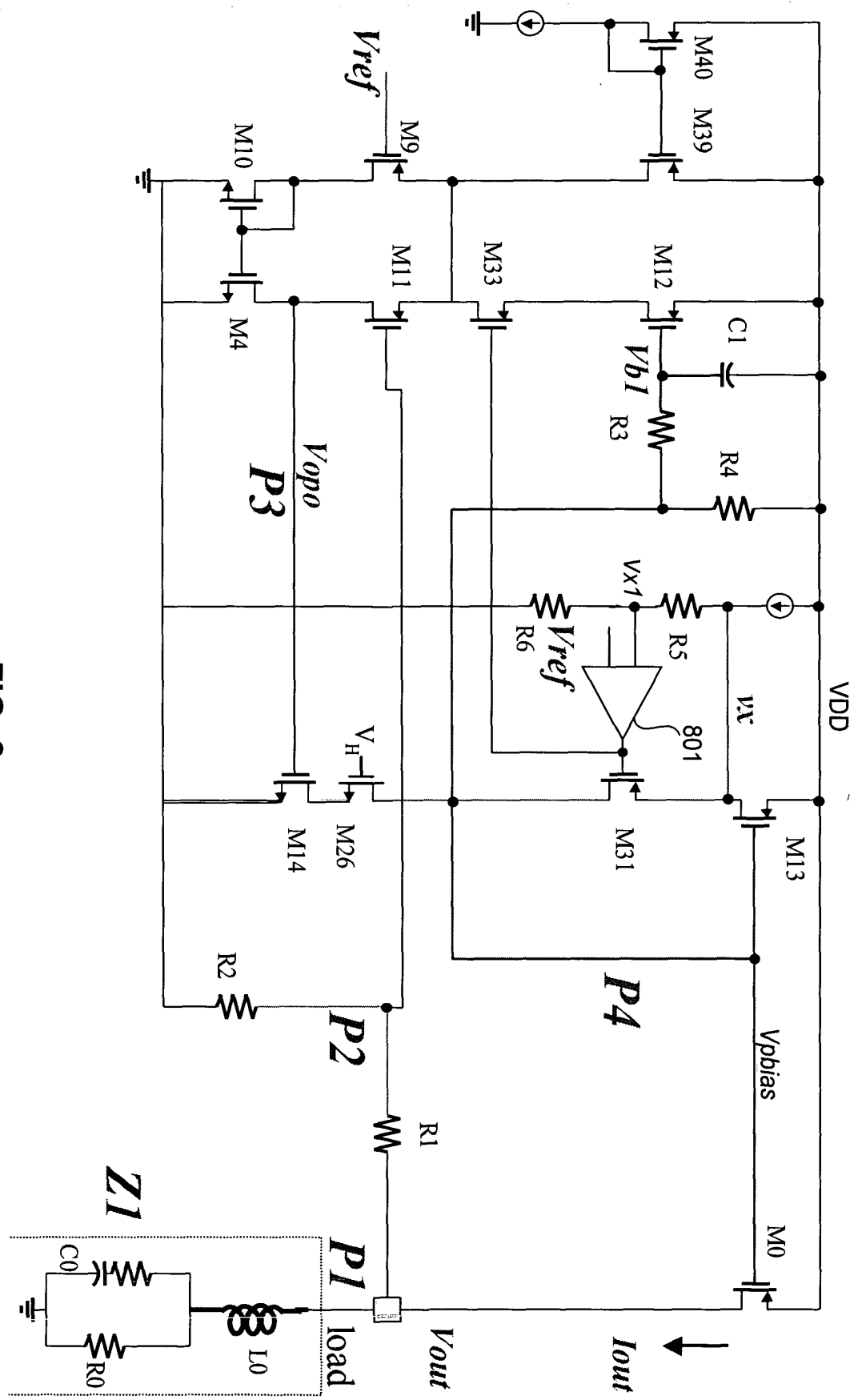


FIG. 8

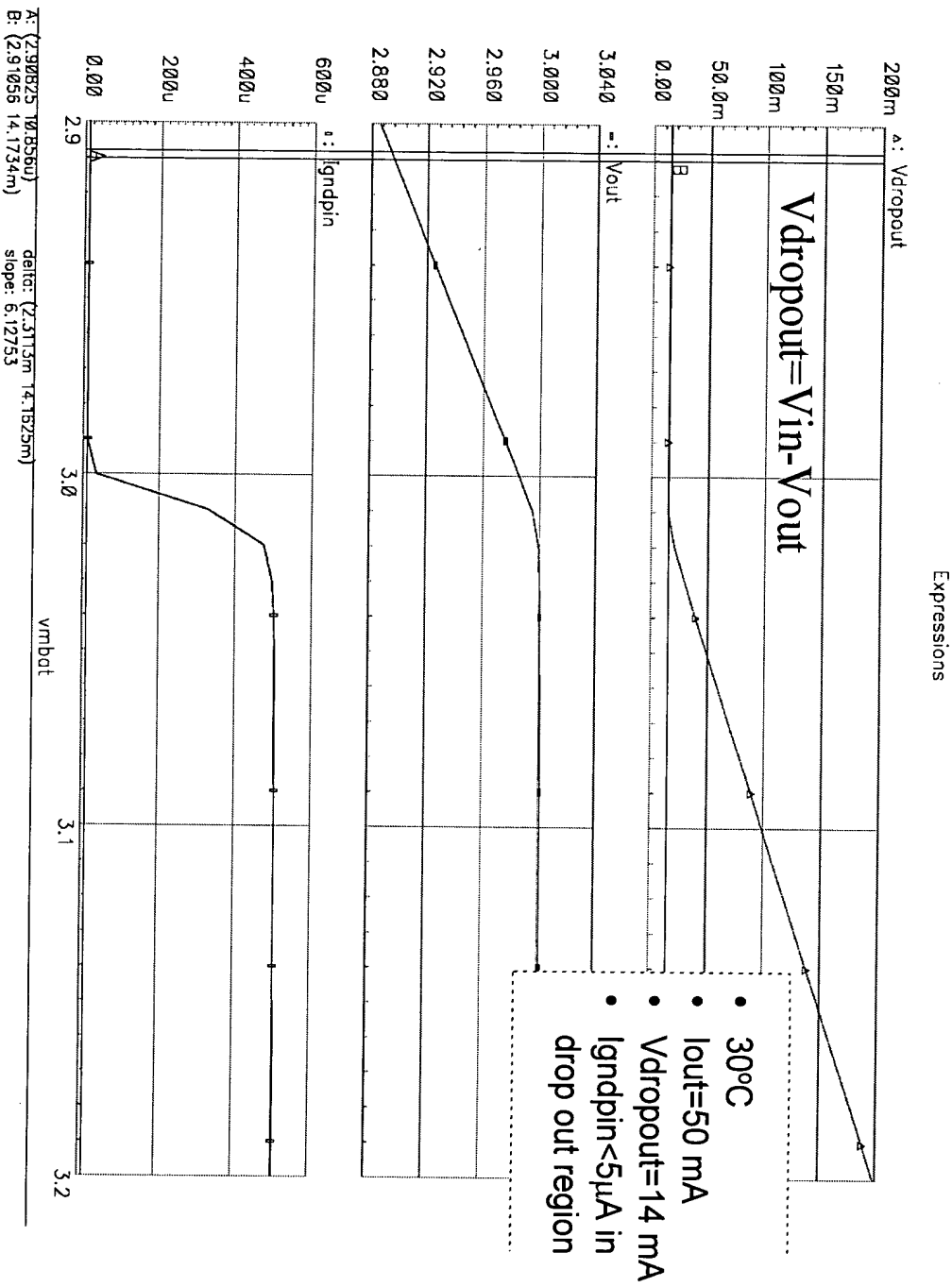


FIG. 9

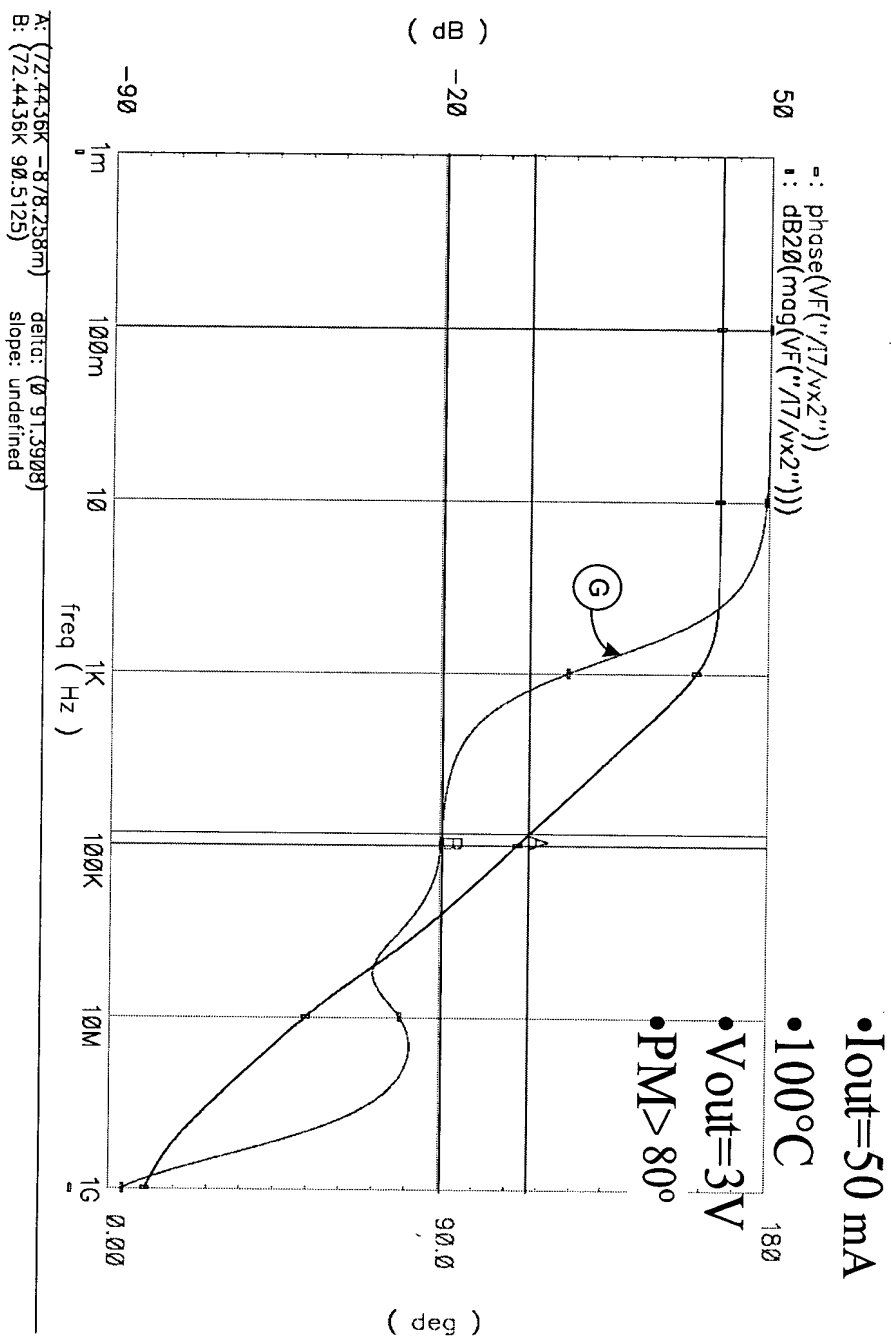


FIG. 10

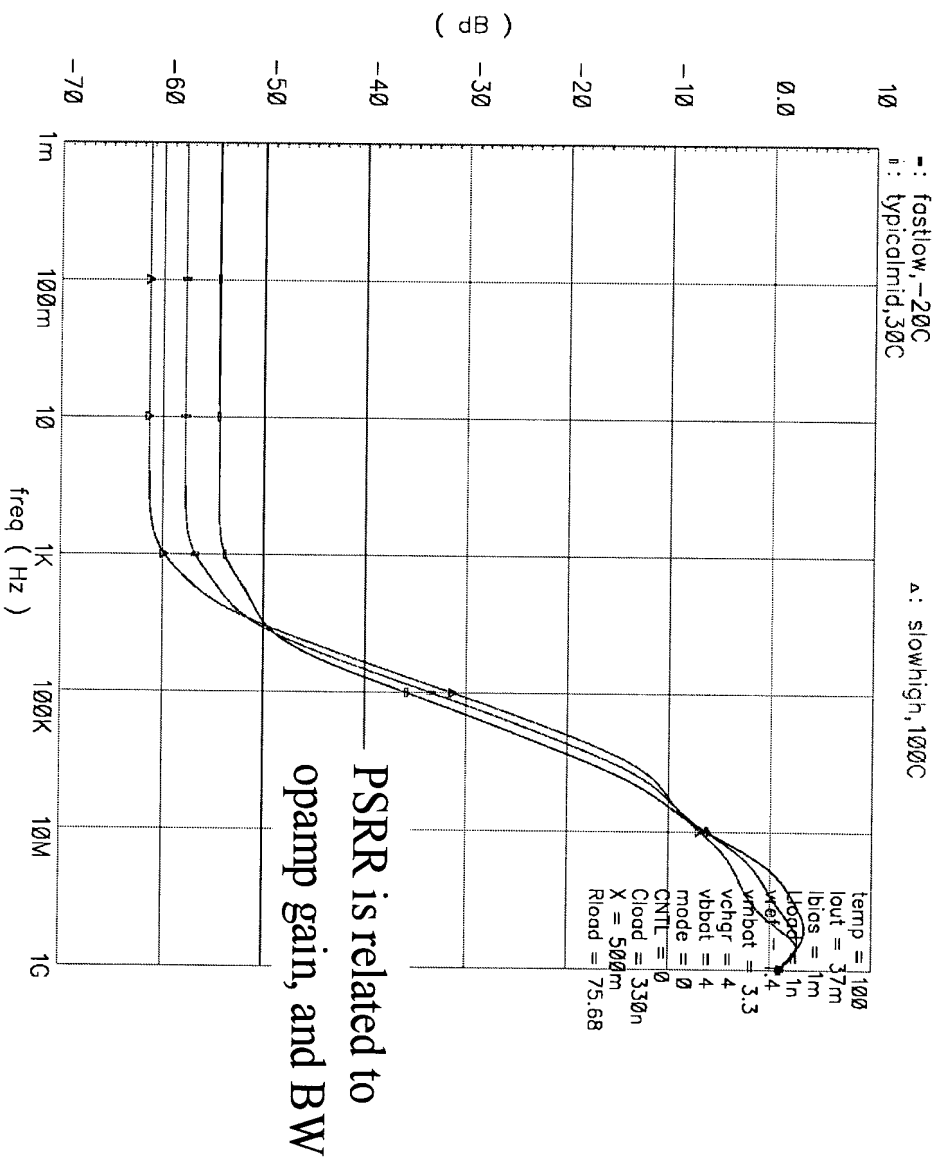


FIG. 11

Transient Response

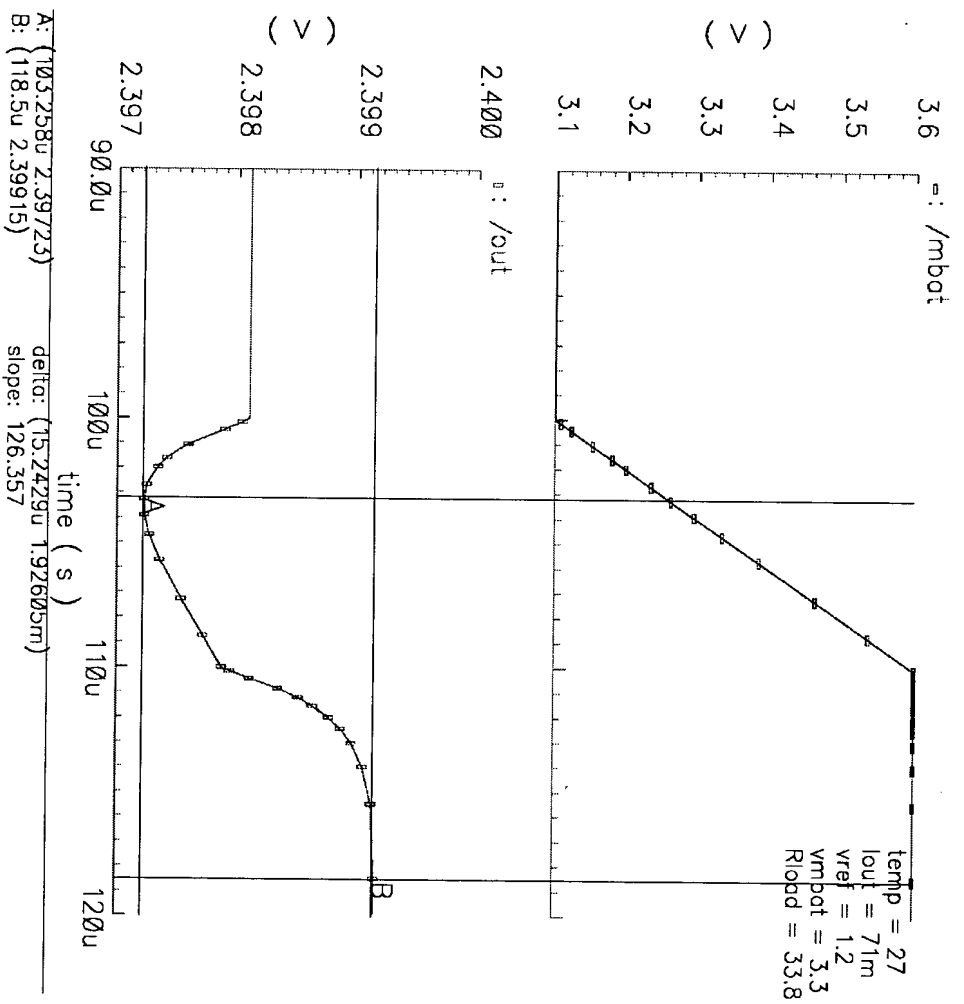


FIG. 12

DC Response

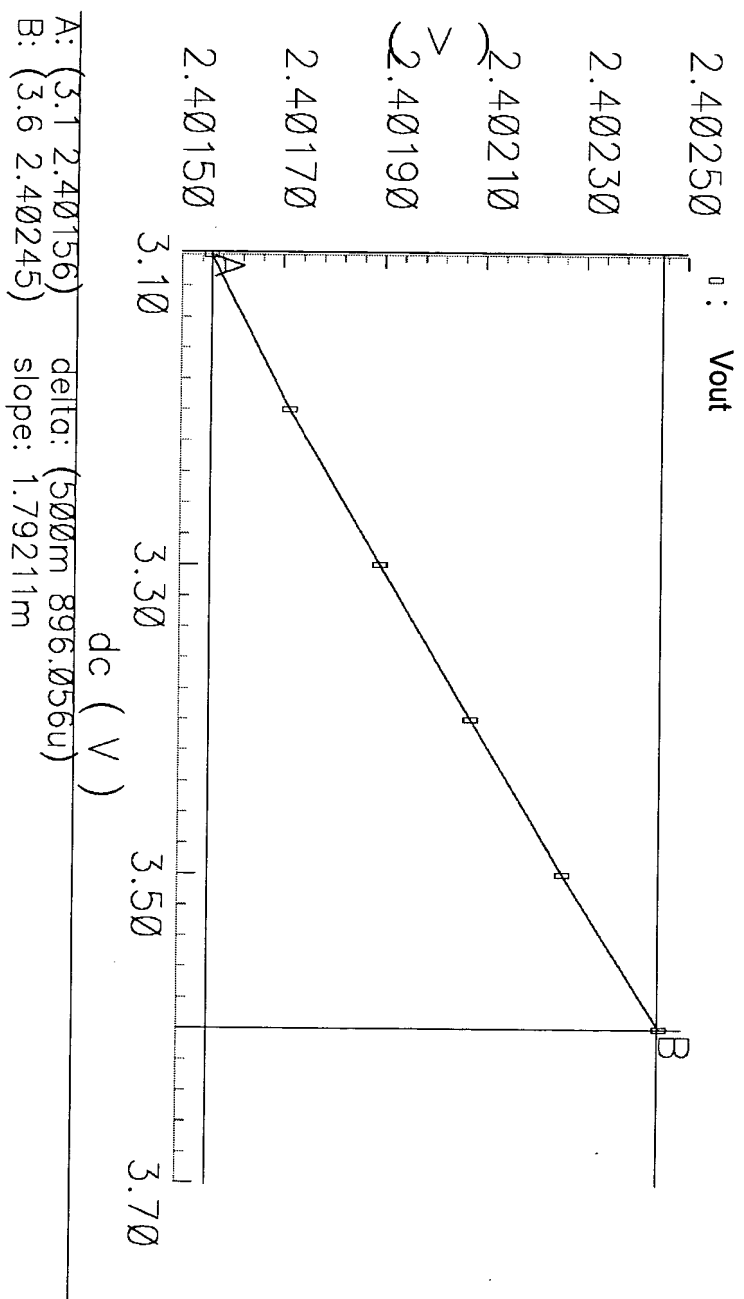


FIG. 13

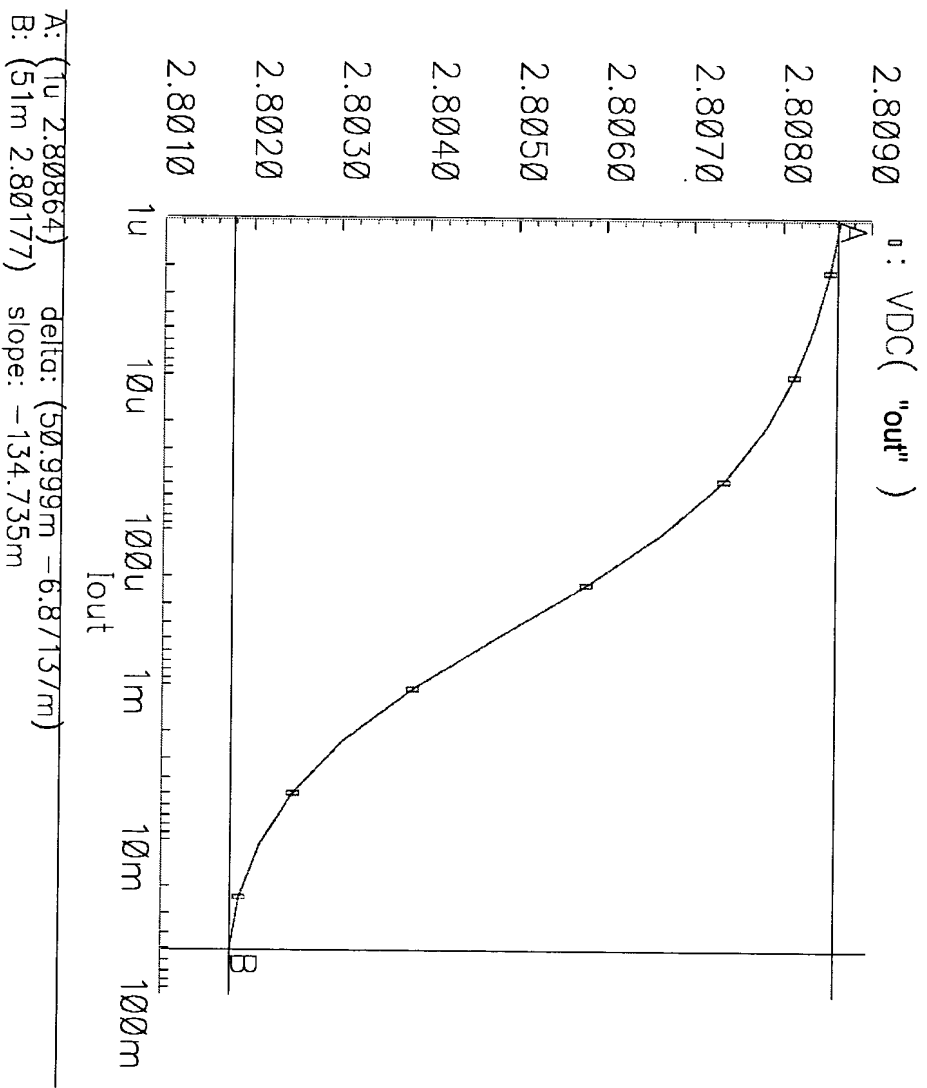


FIG. 14

Transient Response

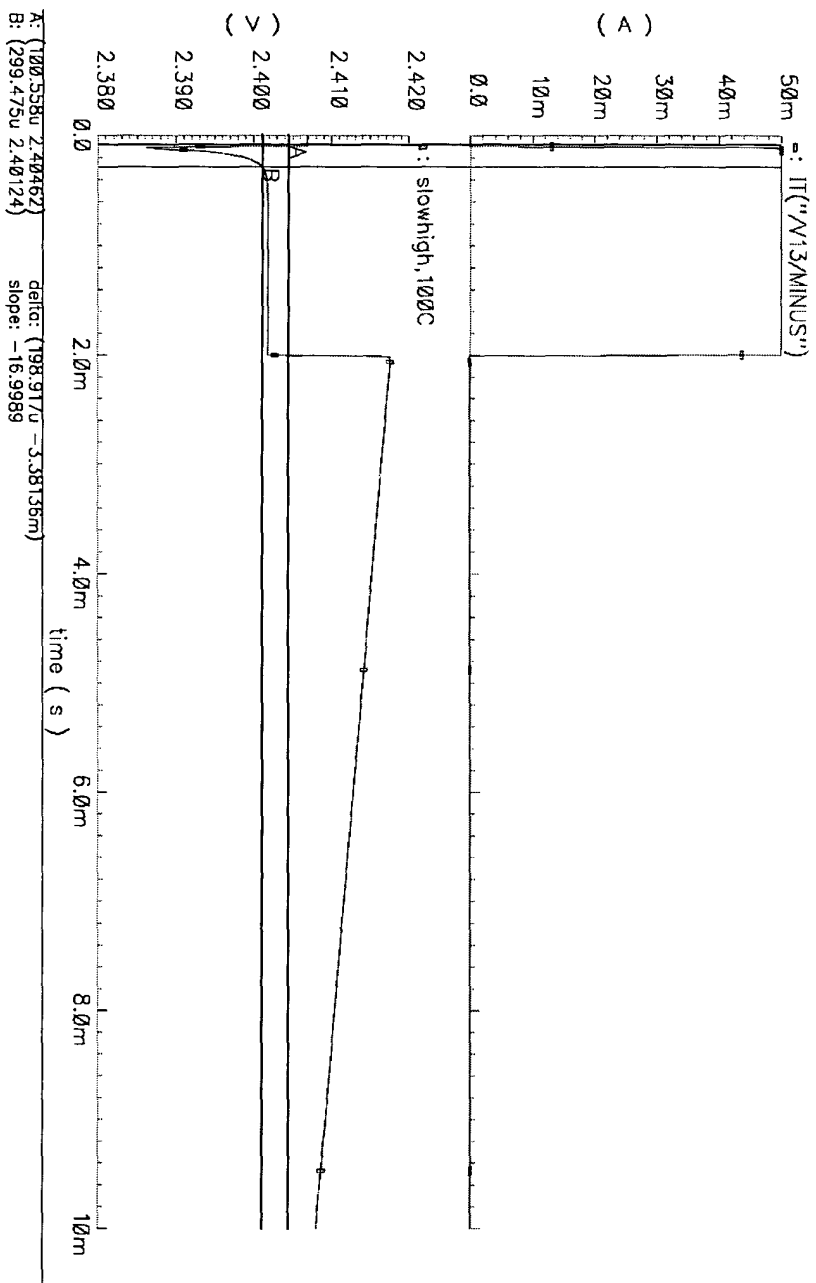


FIG. 15

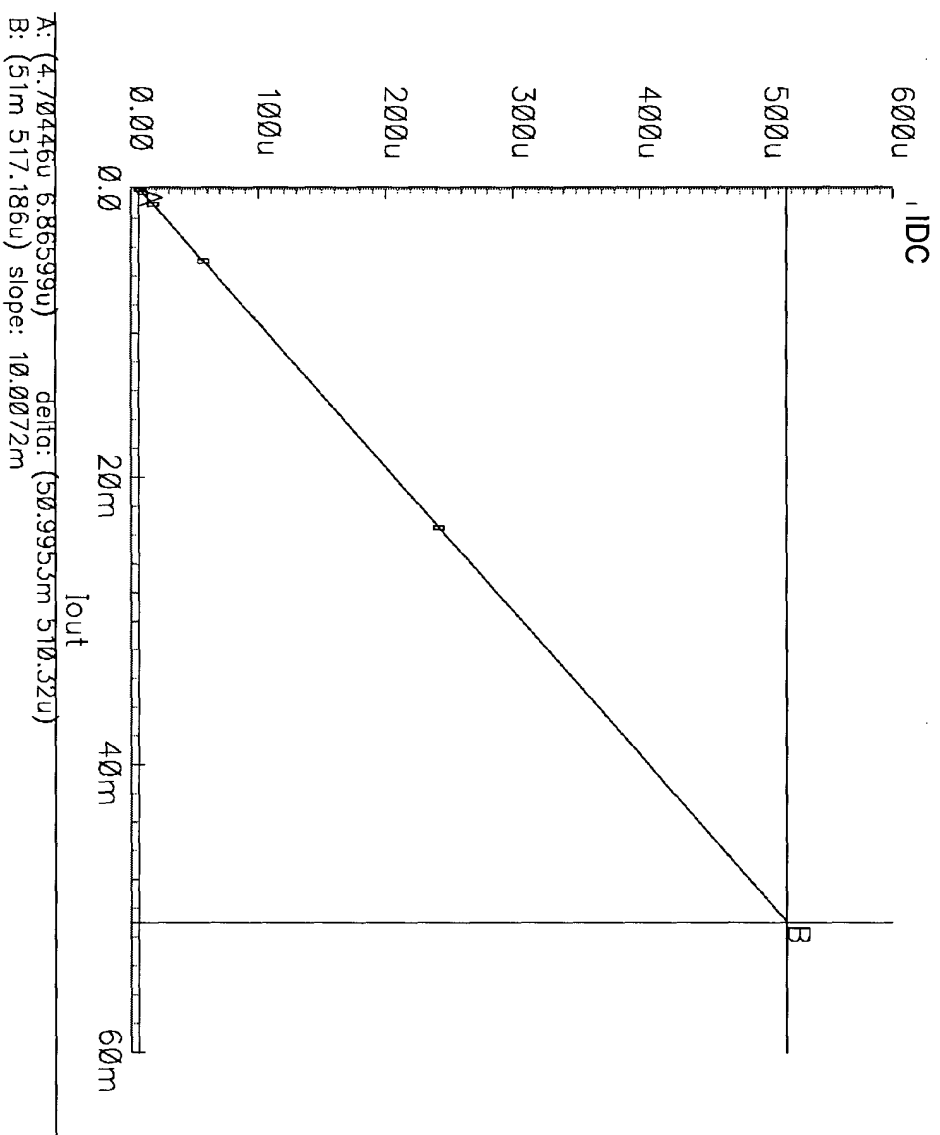


FIG. 16

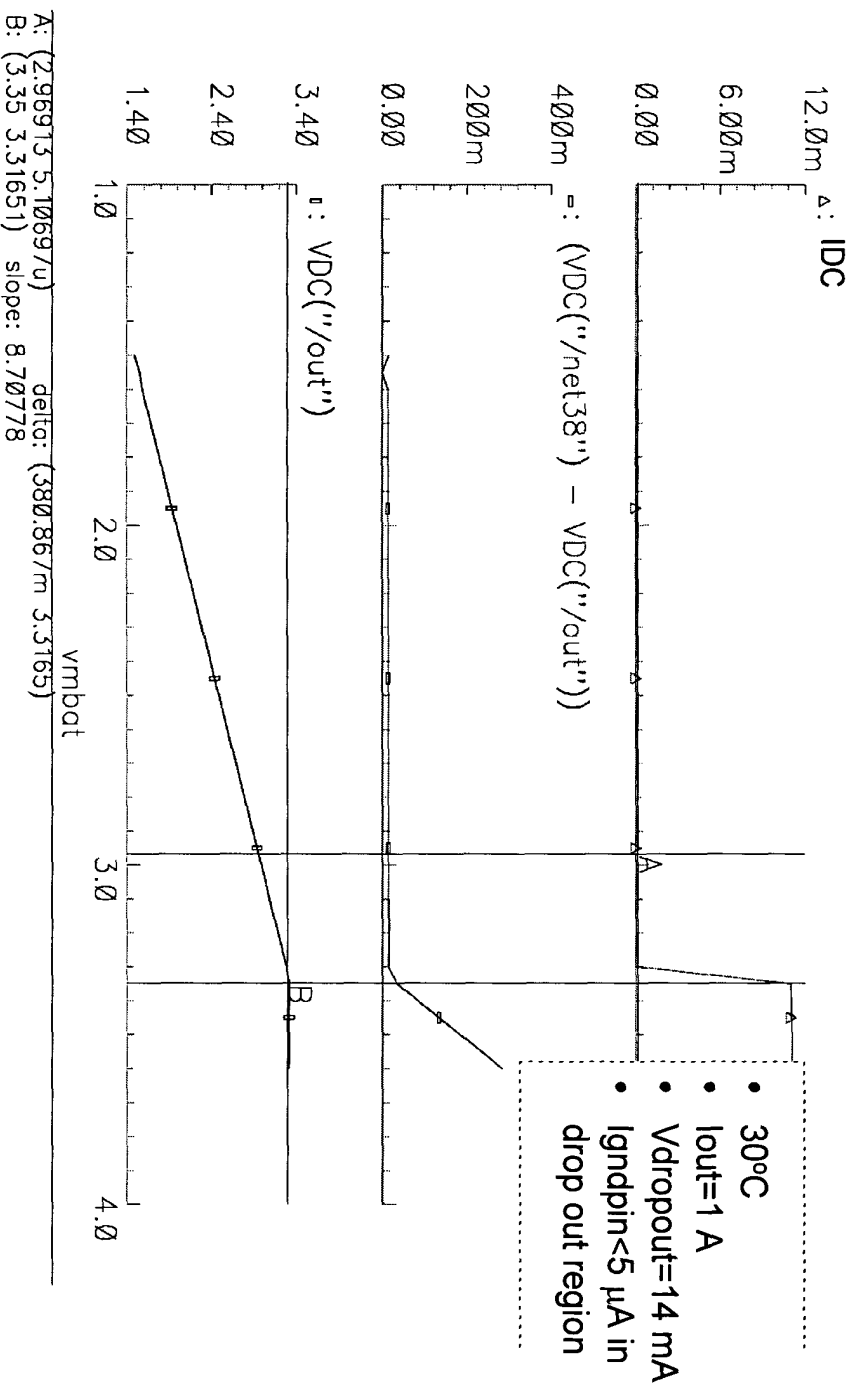


FIG. 17

spec	TI	Maxim	Philips	BRCM	Unit
Part #	TPS72116	MAX875EUK15	PCF50604	BCM2123	
Output Current	150	150		150	mA
Output Voltage	1.22-2.5	1.5	-	1.2-3.2	V
VO Accuracy	+/- 3	+/- 3	+/-3.5	+/-3.5	%
Input Voltage	1.8-5.5	2.5-6.5		3.3	
Dropout voltage@150mA	150	165		14	mV
VO Line Step Response		40	3	0.9	mV
VO Load Regulation	0.014	0.01	0.01	0.002	%/mA
VO Load Step Response	6.3	0.9	4	0.9	%
Line Regulation	0.72	7.4	1	0.17	mV/V
Ground pin current@OFF	<1	<1	<1	<1	uA
Ground pin current@no load	85	85	30	7 or 21	uA
Ground pin Current@150mA	570	100	3000	1500	uA
Activation Time	20	20	130	12	us
Output Noise Voltage(200-100K)	90	170		84	uV
PSRR@100Hz	48	60	60	58	dB
External Capacitor	1	10	4.7	3	uF

FIG. 18

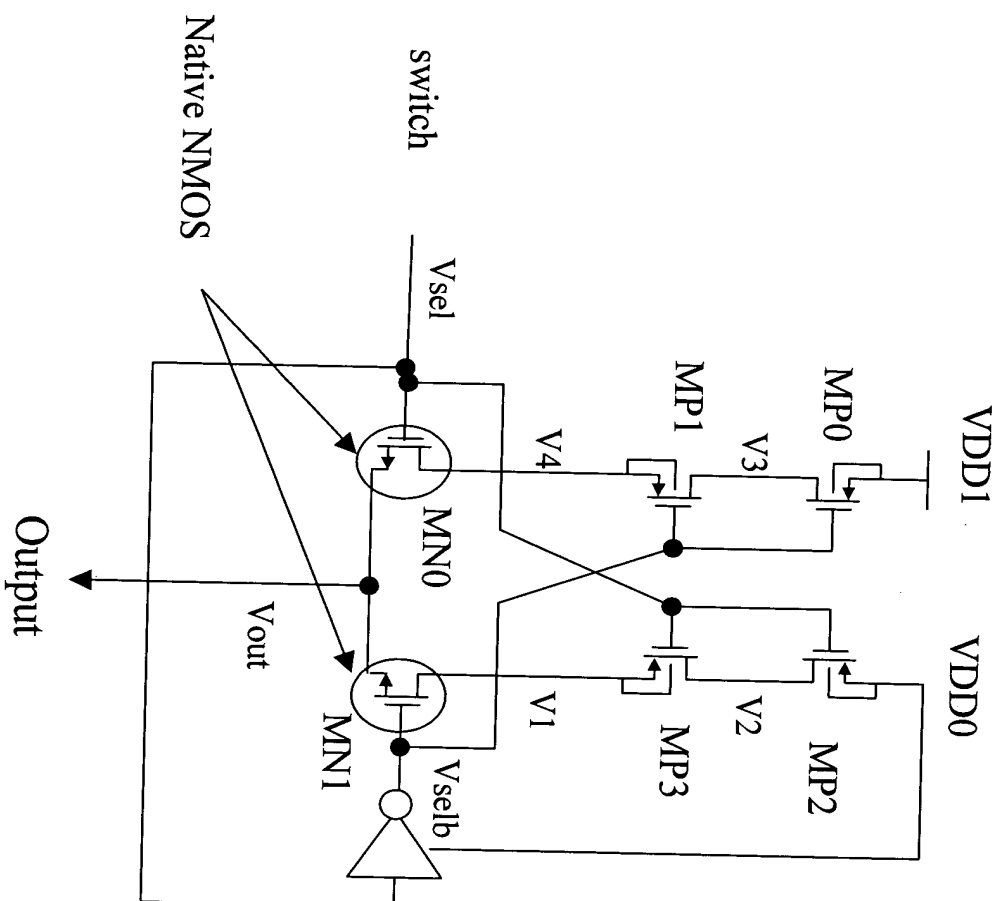


FIG. 19